## Claims

[c1]	1. A method of detecting bacterial endospores comprising:
	providing a sample;
	providing a marker chemical complexing agent;
	providing a laser;
	determining if a marker chemical is present in said sample;
	if said marker chemical is present, complexing said marker chemical with said
	marker chemical complexing agent
	exposing said sample to said laser; and
	detecting the presence of bacterial endospores in said sample.
[c2]	2. The method according to claim 1, wherein said marker chemical is dipicolinic
•	acid.
[c3]	3. The method according to claim 1, wherein said marker chemical complexing
	agent is a terbium containing compound.
[c4]	4. The method according to claim 1, wherein said marker chemical complexing
	agent is heated above 30 °C.
[c5]	5. The method according to claim 1, further comprising providing a release
	agent.
[c6]	6. The method according to claim 5, wherein said release agent releases
	substantially all of said marker material from said bacterial endospores.
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[c7]	7. The method according to claim 5, wherein said release agent is
	dodecylamine.
[c8]	8. The method according to claim 5, wherein said release agent is heated above
	30 °C.
<i>(</i> 0)	
[c9]	9. The method according to claim 1, wherein said method further comprises
	detecting less than 100,000 CFU/mL of endospores.
[c10]	10. The method according to claim 1, wherein said method further comprises
	detecting less than 10,000 CFU/mL of endospores.

11. The method according to claim 1, wherein said method further comprises [c11] detecting less than 5,000 CFU/mL of endospores. 12. The method according to claim 1, wherein said method further comprises [c12] detecting less than 1,000 CFU/mL of endospores. [c13] 13. The method according to claim 1, wherein said method further comprises detecting less than 500 CFU/mL of endospores. 14. The method according to claim 1, wherein said method further comprises [c14]detecting less than 100 CFU/mL of endospores. 15. The method according to claim 1, wherein said method further comprises [c15] detecting less than 20 CFU/mL of endospores. [c16] 16. The method according to claim 1, wherein said detection of the presence of bacterial endospores occurs in less than 10 minutes. [c17] 17. The method according to claim 1, wherein said detection of the presence of bacterial endospores occurs in less than 5 minutes. [c18] 18. The method according to claim 1, wherein said detection of the presence of bacterial endospores occurs in less than 3 minutes. 19. The method according to claim 1, wherein said method further includes [c19]providing a marker chemical enhancement agent and combining said agent with said sample. 20. The method according to claim 1, wherein said marker chemical [c20] enhancement agent is an AICI  $_3$  containing compound. [c21] 21. The method according to claim 1, wherein said marker chemical enhancement agent is heated above 30  $^{\rm o}$  C. [c22] 22. The method according to claim 1, wherein said laser emits light at a wavelength between 260 and 280 nanometers. [c23] 23. The method according to claim 1, further comprising:

agitating said sample.

